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PTO/SB/08a (08-03)

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Substitute for form 1449A/PTO

AUG 19 2004

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet

1

of

1

Application Number	10/621,971
Filing Date	July 17, 2003
First Named Inventor	Bernd-Georg Pietras
Group Art Unit	3672
Examiner Name	Frank Tsay
Attorney Docket Number	MRKS/0039.C1

Submission Date

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US- 6,142,545	11-07-2000	Penman et al	
	A2	US- 5,988,273	11-23-1999	Monjure et al	
	A3	US- 5,971,086	10-26-1999	Bee, et al	
	A4	US- 5,839,330	11-24-1998	Stokka	
	A5	US- 5,785,132	07-28-1998	Richardson et al	
	A6	US- 5,706,894	01-13-1998	Hawkins, III	
	A7	US- 5,332,043	07-26-1994	Ferguson	
	A8	US- 5,305,839	04-26-1994	Kalsi et al	
	A9	US- 4,936,382	06-26-1990	Thomas	
	A10	US- 4,781,359	11-01-1988	Matus	
	A11	US- 4,709,766	12-01-1987	Boyadjieff	
	A12	US- 4,646,827	03-03-1987	Cobb	
	A13	US-			
	A14	US-			
	A15	US-			
	A16	US-			
	A17	US-			
	A18	US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Number-Kind Code ² (if known)				
	B1					
	B2					
	B3					
	B4					
	B5					

Examiner

Frank Tsay

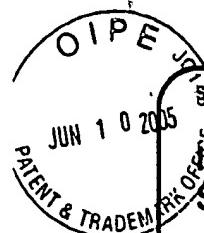
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	Art Unit	3672
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	Attorney Docket Number	MRKS/0039.C1

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		US- 6,742,596	06/01/2004	Haugen	
		US- 6,725,938	04/27/2004	Pietras	
		US- 6,691,801	02/17/2004	Juhasz, et al	
		US- 6,688,394	02/17/2004	Ayling	
		US- 6,651,737	11/25/2003	Bouligny	
		US- 6,622,796	09/23/2003	Piertras	
		US- 6,536,520	03/25/2003	Snider, et al	
		US- 6,527,047	03/04/2003	Pietras	
		US- 6,443,241	09/03/2002	Juhasz, et al	
		US- 6,315,051	11/13/2001	Ayling	
		US- 6,237,684	05/29/2001	Bouligny, Jr., et al	
		US- 6,227,587	05/08/2001	Terral	
		US- 6,217,258	04/17/2001	Yamamoto, et al	
		US- 6,173,777	01/16/2001	Mullins	
		US- 6,161,617	12/19/2000	Gjedebo	
		US- 5,850,877	12/22/1998	Albright, et al	
		US- 5,839,330	11/24/1998	Stokka	
		US- 5,575,344	11/19/1996	Wireman	
		US- RE 34,063	09/15/1992	Vincent, et al	
		US- 4,962,819	10/16/1990	Bailey, et al	
		US- 4,832,552	5/23/1989	Skelly	
		US- 3,552,507	01/05/1971	Brown	
		US- 3,548,936	12/22/1970	Kilgore, et al	
		US- 2005/0000691	01/06/2005	Giroux, et al	
		US- 2004/0262013	12/30/2004	Tilton, et al	
		US- 2004/0251050	12/16/2004	Shahin, et al	
		US- 2004/0216924	11/04/2004	Pietras, et al	
		US- 2004/0173358	09/09/2004	Haugen	
		US- 2004/0079533	04/29/2004	Bautaert, et al	
		US- 2004/0069500	04/14/2004	Haugen	
		US- 2004/000405	01/01/2004	Fournier, Jr., et al	
		US- 2004/0003490	01/08/2004	Shahin, et al	

Examiner Signature	<i>Fran Tsay</i>	Date Considered	7/13/05
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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		<i>Application Number</i>	10/621,971
		<i>Filing Date</i>	July 17, 2003
		<i>First Named Inventor</i>	Pietras
		<i>Art Unit</i>	3672
		<i>Examiner Name</i>	Tsay, F.
(Use as many sheets as necessary)			
Sheet	2	of	4
		<i>Attorney Docket Number</i>	
		MRKS/0039.C1	

FOREIGN PATENT DOCUMENTS

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Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				<i>Application Number</i>	10/621,971
(Use as many sheets as necessary)				<i>Filing Date</i>	July 17, 2003
				<i>First Named Inventor</i>	Pietras
				<i>Art Unit</i>	3672
				<i>Examiner Name</i>	Tsay, F.
Sheet	3	of	4	<i>Attorney Docket Number</i>	MRKS/0039.C1

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
<i>J</i>		Rotary Steerable Technology – Technology Gains Momentum, Oil & Gas Journal, 12/28/1998		
		Directional Drilling, M. Mims, World Oil, May 1999, pp. 40-43		
		Multilateral Classification System w/Example Applications, Alan MacKenzie & Cliff Hogg, World Oil, Jan. 1999, pp. 55-61		
		Laurent, et al., "A New Generation Drilling Rig: Hydraulically Powered And Computer Controlled," CADE/CAODC Paper 99-120, CADE/CAODC Spring Drilling Conference, April 7 & 8, 1999, 14 pages		
		Madell, et al., "Casing Drilling An Innovative Approach To Reducing Drilling Costs," CADE/CAODC Paper 99-121, CADE/CAODC Spring Drilling Conference, April 7 & 8, 1999, pp. 1-12		
		Laurent, et al., "Hydraulic Rig Supports Casing Drilling," World Oil, September 1999, pp. 61-68		
		Shepard, et al., "Casing Drilling: An Emerging Technology," IADC/SPE Paper 67731, SPE/IADC Drilling Conference, February 27-March 1, 2001, pp. 1-13		
		Warren, et al., "Casing Drilling Technology Moves To More Challenging Application," AADE Paper 01-NC-HO-32, AADE National Drilling Conference, March 27-29, 2001, pp. 1-10		
		Shephard, et al., "Casing Drilling: An Emerging Technology," SPE Drilling & Completion, March 2002, pp. 4-14		
<i>J</i>		Galloway, "Rotary Drilling With Casing – A Field Proven Method Of Reducing Wellbore Construction Cost," Paper WOCD-0306092, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-7		

Examiner Signature	<i>Franco</i>	Date Considered	<i>7/13/05</i>
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Sheet

4

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Application Number	10/621,971
Filing Date	July 17, 2003
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Art Unit	3672
Examiner Name	Tsay, F.

Attorney Docket Number

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JZ		Fontenot, et al., "New Rig Design Enhances Casing Drilling Operations In Lobo Trend," paper WOCD-0306-04, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-13	
JZ		Tessari, et al., "Retrievable Tools Provide Flexibility for Casing Drilling," Paper No. WOCD-0306-01, World Oil Casing Drilling Technical Conference, 2003, pp. 1-11	
JZ		Tommy Warren, SPE, Bruce Houtchens, SPE, Garret Madell, SPE, Directional Drilling With Casing, SPE/IADC 79914, Tesco Corporation, SPE/IADC Drilling Conference 2003	

Examiner Signature



Date Considered



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Application Number	10/621,971
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First Named Inventor	Bernd Georg Pietras
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Customer No.	36735
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Sheet

of | 12

S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (Unknown)			
	A1	US-2,167,338	07-25-1939	Murcell	
	A2	US-2,228,503	01-14-1941	Boyd, et al.	
	A3	US-2,370,832	03-06-1945	Baker	
	A4	US-2,379,800	07-03-1945	Hare	
	A5	US-2,414,719	01-21-1947	Cloud	
	A6	US-2,720,267	10-11-1955	Brown	
	A7	US-2,741,907	06-06-1997	Genender, et al.	
	A8	US-3,006,415	10-31-1961	Burns, et al.	
	A9	US-3,041,901	07-03-1962	Knights	
	A10	US-3,054,100	09-11-1962	Jones	
	A11	US-3,090,031	05-14-1963	Lord	
	A12	US-3,111,179	11-19-1963	Biers, et al.	
	A13	US-3,117,636	01-24-1964	Wilcox, et al.	
	A14	US-3,124,023	3-10-1964	Marquis, et al.	
	A15	US-3,131,769	05-06-1964	Rochemont	
	A16	US-3,193,116	07-06-1965	Kenneday, et al.	
	A17	US-3,419,079	12-31-1968	Current	
	A18	US-3,548,936	12-22-1970	Kilgore, et al.	

FOREIGN PATENT DOCUMENTS

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		Number-Kind Code ² (if known)				
	B1	CA 2 335 192	11-30-2001	Kozak		
	B2	DE 3 523 221	02-01-1987	Svetozar		
	B3	DE 3 918 132	12-14-1989	Eriksson		
	B4	EP 0 474 481	03-11-1992	Moody		
	B5	EP 0 087 373	08-31-1983	Plaquin		

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2

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A19	US-3,552,507		01-05-1971	Brown	
A20	US-3,552,848		01-05-1971	Van Wagner	
A21	US-3,566,505		03-02-1971	Martin	
A22	US-3,602,302		08-31-1971	Kluth	
A23	US-3,606,664		09-21-1971	Weiner	
A24	US-3,635,105		01-18-1972	Dickmann, et al.	
A25	US-3,680,412		08-01-1972	Mayer, et al.	
A26	US-3,691,825		09-19-1972	Dyer	
A27	US-3,696,332		10-03-1972	Dickson, Jr., et al.	
A28	US-3,776,320		12-04-1973	Brown	
A29	US-3,776,991		12-04-1973	Marcus	
A30	US-3,848,684		11-19-1974	West	
A31	US-3,857,450		12-31-1974	Guier	
A32	US-3,913,687		10-21-1975	Gyongyosi, et al.	
A33	US-4,054,332		10-18-1977	Bryan, Jr.	
A34	US-4,095,865		06-20-1978	Denison, et al.	
A35	US-4,127,927		12-05-1978	Hauk, et al.	
A36	US-4,194,383		03-25-1980	Huzyak	

FOREIGN PATENT DOCUMENTS

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		Number-Kind Code ² (if known)				
B6	EP 0 162 000		11-21-1985	Hamilton		
B7	EP 0 171 144		02-12-1986	Stringfellow, et al.		
B8	EP 0 285 386		10-05-1988	Haney		
B9	EP 0 426 123		05-08-1991	Reis, et al.		
B10	EP 0 525 247		02-03-1993	Willis		

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Examiner Name	Frank Tsay
Attorney Docket Number	MRKS/0039.C1
Customer No.	36735

Sheet

3

of 12

Submission Date

January 11, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A37	US-4,227,197		10-07-1980	Nimmo, et al.	
A38	US-4,241,878		12-30-1980	Underwood	
A39	US-4,277,197		07-07-1981	Bingham	
A40	US-4,280,380		07-28-1981	Eshghy	
A41	US-4,311,195		01-19-1982	Mullins, II	
A42	US-4,392,534		07-12-1983	Miida	
A43	US-4,407,378		10-04-1983	Thomas	
A44	US-4,427,063		01-24-1984	Skinner	
A45	US-4,437,363		03-20-1984	Haynes	
A46	US-4,445,734		05-01-1984	Cunningham	
A47	US-4,449,596		05-22-1984	Boyadjieff	
A48	US-4,494,424		01-22-1985	Bates	
A49	US-4,529,045		07-16-1985	Boyadjieff, et al.	
A50	US-4,570,706		02-18-1986	Pugnet	
A51	US-4,592,125		06-03-1986	Skene	
A52	US-4,593,773		06-10-1986	Skeie	
A53	US-4,605,268		08-12-1986	Meador	
A54	US-4,625,796		12-02-1986	Boyadjieff	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Number-Kind Code ² (if known)				
B11	EP 0 589 823		03-03-1994	Busink, et al.		
B12	EP 0 659 975		06-28-1995	Nagaoka, et al.		
B13	EP 0 790 386		08-20-1997	Newton, et al.		
B14	EP 0 881 354		04-24-1998	Vercaemmen, et al.		
B15	EP 0 962 384		12-08-1999	Poldervaart		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 4

of 12

Application Number	10/621,971
Filing Date	July 17, 2003
First Named Inventor	Bernd Georg Pietras
Group Art Unit	3672
Examiner Name	Frank Tsay
Attorney Docket Number	MRKS/0039.C1
Customer No.	36735

Submission Date January 11, 2005

U.S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
A55	US-4,646,827		03-03-1987	Cobb	
A56	US-4,649,777		03-17-1987	Buck	
A57	US-4,667,752		05-26-1987	Berry, et al.	
A58	US-4,876,312		06-30-1987	Mosing, et al.	
A59	US-4,683,962		08-04-1987	True	
A60	US-4,691,587		09-08-1987	Farrand, et al.	
A61	US-4,709,599		12-01-1987	Buck	
A62	US-4,709,766		12-01-1987	Boyadjieff	
A63	US-4,738,145		04-19-1988	Vincent, et al.	
A64	US-4,742,876		05-10-1988	Barthelemy, et al.	
A65	US-4,759,239		07-26-1988	Hamilton, et al.	
A66	US-4,765,401		08-23-1988	Boyadjieff	
A67	US-4,773,689		09-27-1988	Wolters	
A68	US-4,775,009		10-04-1988	Wittrisch, et al.	
A69	US-4,781,359		11-01-1988	Matus	
A70	US-4,788,544		11-29-1988	Howard	
A71	US-4,791,997		12-20-1988	Krasnov	
A72	US-4,793,422		12-27-1988	Krasnov	

FOREIGN PATENT DOCUMENTS

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		Number-Kind Code ² (if known)				
B16	EP 1 256 691		11-13-2002	Hawkins, et al.		
B17	FR 2 841 293		12-26-2003	Bouygues Offshore		
B18	GB 2 115 940		09-14-1983	Plaquin		
B19	GB 2 224 481		09-05-1990	Voeten		
B20	GB 2 275 486		04-15-1993	Elaen, et al.		

Date Considered

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

5

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12

Application Number	10/621,971
Filing Date	July 17, 2003
First Named Inventor	Bernd Georg Pietras
Group Art Unit	3672
Examiner Name	Frank Tsay
Attorney Docket Number	MRKS/0039.C1
Customer No.	36735

Submission Date

January 11, 2005

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		Number-Kind Code ² (if known)			
	A73	US-4,800,968	01-31-1989	Shaw, et al.	
	A74	US-4,806,928	02-21-1989	Veneruso	
	A75	US-4,813,493	03-21-1989	Shaw, et al.	
	A76	US-4,836,064	06-06-1989	Slator	
	A77	US-4,867,236	09-19-1989	Haney, et al.	
	A78	US-4,878,546	11-07-1989	Shaw, et al.	
	A79	US-4,901,069	02-13-1990	Veneruso	
	A80	US-4,936,382	06-26-1990	Thomas	
	A81	US-4,962,579	10-16-1990	Moyer, et al.	
	A82	US-5,009,265	04-23-1991	Bailey, et al.	
	A83	US-5,036,927	08-06-1991	Willis	
	A84	US-5,141,063	08-25-1992	Quesenbury	
	A85	US-5,176,518	01-05-1993	Hordijk, et al.	
	A86	US-5,191,932	03-09-1993	Seefried, et al.	
	A87	US-5,224,540	07-06-1993	Streich, et al.	
	A88	US-5,233,742	08-10-1993	Gray, et al.	
	A89	US-5,245,265	09-14-1993	Clay	
	A90	US-5,251,709	10-12-1993	Richardson	

FOREIGN PATENT DOCUMENTS

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		Number-Kind Code ² (if known)				
	B21	GB 2 294 715	08-05-1996	Tibbitts		
	B22	GB 2 349 401	11-01-2000	Roberts, et al.		
	B23	GB 2 352 747	07-02-2001	Davis, et al.		
	B24	GB 2 357 530	06-27-2001	Schulze-Beckinghausen		
	B25	GB 2 372 765	09-04-2002	Head		

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 6

of 12

Application Number	10/621,971
Filing Date	July 17, 2003
First Named Inventor	Bernd Georg Pietras
Group Art Unit	3672
Examiner Name	Frank Tsay
Attorney Docket Number	MRKS/0039.C1
Customer No.	36735
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U.S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
A91	US-5,271,468		12-21-1993	Strelch, et al.	
A92	US-5,305,839		04-26-1994	Kalsi, et al.	
A93	US-5,332,043		07-26-1994	Ferguson	
A94	US-5,351,767		10-04-1994	Stogner, et al.	
A95	US-5,388,651		02-14-1995	Berry	
A96	US-5,394,823		03-07-1995	Lenze	
A97	US-5,433,279		07-18-1995	Tassari, et al.	
A98	US-5,494,122		02-27-1996	Larsen, et al.	
A99	US-5,501,286		03-26-1996	Berry	
A100	US-5,503,234		04-02-1996	Clancy	
A111	US-5,540,279		07-30-1996	Branch, et al.	
A112	US-5,542,472		08-06-1996	Pringle, et al.	
A113	US-5,542,473		08-06-1996	Pringle, et al.	
A114	US-5,553,672		09-10-1996	Smith, Jr., et al.	
A115	US-5,577,566		11-26-1996	Albright, et al.	
A116	US-5,645,131		07-08-1997	Trevisani	
A117	US-5,706,894		01-13-1998	Hawkins, III	
A118	US-5,791,410		08-11-1998	Castille, et al.	

FOREIGN PATENT DOCUMENTS

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		Number-Kind Code ² (if known)				
B26	GB 709 365		05-19-1954	Standard Oil Development		
B27	GB 716 761		10-13-1954	Standard Oil Development		
B28	GB 881 358		11-01-1961	Kammerer, et al.		
B29	GB 2 350 137		11-22-2000	Baugh, et al.		
B30	RU 2 079 633		05-20-1997	Abdrakhmanov		

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Sheet

7

of 12

Application Number	10/621,971
Filing Date	July 17, 2003
First Named Inventor	Bernd Georg Pietras
Group Art Unit	3672
Examiner Name	Frank Tsay
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		Number-Kind Code ² (if known)			
A119	US-5,803,191		09-08-1998	Mackintosh	
A120	US-5,813,456		09-29-1998	Milner, et al.	
A121	US-5,836,395		11-17-1998	Budde	
A122	US-5,839,515		11-24-1998	Yuan, et al.	
A123	US-5,850,877		12-22-1998	Albright, et al.	
A124	US-5,907,664		05-25-1999	Wang, et al.	
A125	US-5,909,768		06-08-1999	Castille, et al.	
A126	US-5,971,086		10-26-1999	Bee, et al.	
A127	US-5,984,007		11-16-1999	Yuan, et al.	
A128	US-5,988,273		11-23-1999	Monloue, et al.	
A129	US-6,056,060		05-02-2000	Sorahansen, et al.	
A130	US-6,070,500		06-06-2000	Dlask, et al.	
A131	US-6,079,498		06-27-2000	Lima, et al.	
A132	US-6,079,509		06-27-2000	Bee, et al.	
A133	US-6,142,545		11-07-2000	Penman, et al.	
A134	US-6,161,617		12-19-2000	Gjedbo	
A135	US-6,173,777		01-16-2001	Mullins	
A136	US-6,199,541		03-13-2001	Downie, et al.	

FOREIGN PATENT DOCUMENTS

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		Number-Kind Code ² (if known)				
B31	WO 00/39429		07-06-2000	Pietras		
B32	WO 00/39430		07-06-2000	Pietras		
B33	WO 00/46484		08-10-2000	Van Buren, et al.		
B34	WO 00/66879		11-09-2000	Hawkins, et al.		
B35	WO 02/081863		10-17-2002	Simpson, et al.		

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Application Number	10/621,971
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First Named Inventor	Bernd Georg Pietras
Group Art Unit	3672
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Sheet 8

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A137	US-6,223,823		05-01-2001	Head	
A138	US-6,227,587		05-08-2001	Terral	
A139	US-6,275,938		08-14-2001	Bond, et al.	
A140	US-6,290,432		09-18-2001	Exley, et al.	
A141	US-6,305,469		10-23-2001	Coenen, et al.	
A142	US-6,309,002		10-30-2001	Bouligny	
A143	US-6,349,764		02-26-2002	Adams, et al.	
A144	US-6,360,633		03-26-2002	Pietras	
A145	US-6,367,566		04-09-2002	Hill	
A146	US-6,374,506		04-23-1993	Clay	
A147	US-6,392,317		05-21-2002	Hall, et al.	
A148	US-6,429,784		08-06-2002	Brilque, et al.	
A149	US-6,431,626		03-13-2002	Bouligny	
A150	US-6,446,723		09-10-2002	Ramons, et al.	
A151	US-6,622,796		09-23-2003	Pietras	
A152	US-6,648,075		11-18-2003	Badrak, et al.	
A153	US-6,688,394		02-10-2004	Ayling	
A154	US-6,691,801		02-17-2004	Juhasz, et al.	

FOREIGN PATENT DOCUMENTS

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		Number-Kind Code ² (if known)				
B36	WO 02/44601		06-06-2002	Appleford, et al.		
B37	WO 03/087525		10-23-2003	Vincent, et al.		
B38	WO 93/07358		04-15-1993	Eiane, et al.		
B39	WO 96/18799		06-20-1996	Stokka		
B40	WO 98/05844		02-12-1998	Stokka		

Date Considered**Examiner**

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

9

of

12

Application Number	10/621,971
Filing Date	July 17, 2003
First Named Inventor	Bernd Georg Pietras
Group Art Unit	3672
Examiner Name	Frank Tsay
Attorney Docket Number	MRKS/0039.C1
Customer No.	36735

Submission Date

January 11, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A155		US-6,698,595	03-02-2004	Norell, et al.	
A156		US-6,725,938	04-27-2004	Pietras	
A157		US-6,742,596	06-01-2004	Haugen	
A158		US-6,742,606	06-01-2004	Metcalfe, et al.	
A159		US-2002/0070842	04-17-2003	Bailey, et al.	
A160		US-2002/0108748	08-15-2002	Keyes	
A161		US-2003/0029641	02-13-2003	Meehan	
A162		US-2003/0056947	03-27-2003	Cameron	
A163		US-2003/0164250	09-04-2003	Wardley	
A164		US-2003/0164251	09-04-2003	Tulloch	
A165		US-2003/0173090	09-18-2003	Cook, et al.	
A166		US-2003/0213598	11-20-2003	Hughes	
A167		US-2004/0003944	01-08-2004	Vincent, et al.	
A168		US-2004/000405	01-01-2004	Fournier, Jr., et al.	
A169		US-2004/0011534	01-22-2004	Simonds, et al.	
A170		US-2004/0060697	04-01-2004	Tilton, et al.	
A171		US-2004/0069500	04-15-2004	Haugen	
A172		US-2004/0079533	04-29-2004	Buytaert, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Number-Kind Code ² (if known)				
B41		WO 98/11322	03-19-1998	Gjedbo		
B42		WO 98/32948	07-30-1998	Pietras		
B43		WO 99/35368	07-15-1999	Lohbeck, et al.		
B44		WO 99/41485	08-19-1999	Pietras		
B45		WO 99/58810	11-18-1999	Abrahamsen, et al.		

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10

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		Number-Kind Code ² (if known)			
A173	US-2004/0108142		06-10-2004	Vail, III	
A174	US-2004/0112646		06-17-2004	Vail	
A175	US-2004/0118613		06-24-2004	Vail	
A176	US-2004/0123984		07-01-2004	Vail	
A177	US-2004/0124015		07-01-2004	Vaille, et al.	
A178	US-2004/0129456		07-08-2004	Vail	
A179	US-2004/0140128		07-22-2004	Vail	
A180	US-2004/0173358		09-09-2004	Haugen	
A181	US-2004/0216925		11-04-2004	Metcalfe, et al.	
A182	US-2004/0112646		06-17-2004	Vail	
A183	US-Re 34,063		09-15-1992	Vincent, et al.	
A184	US-				
A185	US-				
A186	US-				
A187	US-				
A188	US-				
A189	US-				
A190	US-				

FOREIGN PATENT DOCUMENTS

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		Number-Kind Code ² (if known)				
B46	FR 2741907		06-06-1997	Leighton		
B47						
B48						
B49						
B50						

Date Considered

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number

10/621,971

Filing Date

July 17, 2003

First Named Inventor

Bernd Georg Pietras

Group Art Unit

3672

Examiner Name

Frank Tsay

Attorney Docket Number

MRKS/0039.C1

Customer No.

36735

Submission Date

January 11, 2005

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		DETLEF HAHN, FRIEDEMMA KOHL, and LARRY WATKINS, Casing-While Drilling System Reduces Hole Collapse Risks, Offshore, Pages 54, 56, and 59, February 1998	
		YAKOV A. GELFGAT, MIKHAIL Y. GELFGAT and YURI S. LOPATIN, Retractable Drill Bit Technology – Drilling Without Pulling Out Drillpipe, Advanced Drilling Solutions Lessons From the FSU; June 2003; Vol. 2, pp. 351-464	
		TOMMY WARREN, SPE, BRUCE HOUTCHENS, SPE, GARRET MADELL, SPE, Directional Drilling With Casing, SPE/IADC 79914, Tesco Corporation, SPE/IADC Drilling Conference 2003	
		LaFleur Petroleum Services, Inc., "Autoseal Circulating Head," Engineering Manufacturing, 1992, 11 Pages	
		Valves Wellhead Equipment Safety Systems, W-K-M Division, ACF Industries, Catalog 80, 1980, 5 Pages	
		Canrig Top Drive Drilling Systems, Harts Petroleum Engineer International, February 1997, 2 Pages	
		The Original Portable Top Drive Drilling System, TESCO Drilling Technology, 1997	
		MIKE KILLALEA, Portable Top Drives: What's Driving The Market?, IADC, Drilling Contractor, September 1994, 4 Pages	
		500 or 650 ECIS Top Drive, Advanced Permanent Magnet Motor Technology, TESCO Drilling Technology, April 1998, 2 Pages	

Examiner

Date Considered

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

of

Complete If Known	
Application Number	10/621,971
Date	July 17, 2003
Named Inventor	Bernd-Georg Pietras
Attala No.	3672
Owner Name	Frank Tsay
Previous Docket Number	MRKS/0039.C1

U.S. PATENT DOCUMENTS

~~FOREIGN PATENT DOCUMENTS~~

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number / Kind Code ⁴ (if known)				
		EP 0479583	04-08-1992	Gonzalez, et al.		
		EP 1148206	10-24-2001	Scott, et al.		
		GB 2381809	05-14-2003	Ohmer		
		GB 2347445	09-06-2000	Metcalfe, et al.		
		WO 99/24689	05-20-1999	Collins		
		WO 99/04135	01-28-1999	Collins		
		WO 97/05360	02-13-1997	Collins		
		WO 03/074836	09-12-2003	Philip		

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Electronic Version v18

Stylesheet Version v18.0

Title of Invention	APPATUS AND METHOD FOR FACILITATIN THE CONNECTION OF TUBULARS USING A TOP DRIVE				
Application Number :	10/621971				
Confirmation Number:	2036				
First Named Applicant:	BERND PIETRAS				
Attorney Docket Number:	MRKS/0039.C1				
Art Unit:	3672				
Examiner:	FRANK TSAY				
Search string:	(6857487 or 6857486 or 6854533 or 6848517 or 6840322 or 6752211 or 6745834 or 6725924 or 6708769 or 6668684 or 6666274 or 6655460 or 6651737 or 6585040 or 6536522 or 6464011 or 6458471 or 6433241 or 6378633 or 6371203 or 6237684 or 6217258 or 6012529 or 5878815 or 5348095 or 5069297 or 4962819 or 3760894 or 2978047 or 20050000691 or 20040262013 or 20040251055 or 20040251050 or 20040251025 or 20040245020 or 20040244992 or 20040226751 or 20040221997 or 20040216924 or 20040216892 or 20040016575).pn)				
US Patent Documents					
Note: Applicant is not required to submit a paper copy of cited US Patent Documents					
init	Cite.No.	Patent No.	Date	Patentee	Kind
1	6857487	2005-02-22	GALLOWAY		
2	6857486	2005-02-22	CHITWOOD, ET AL		
3	6854533	2005-02-15	GALLOWAY		
4	6848517	2005-02-01	WARDLEY		
5	6840322	2005-01-11	HAYNES		
6	6752211	2004-06-22	DEWEY, ET AL		
7	6745834	2004-06-08	DAVIS, ET AL		
8	6725924	2004-04-27	DAVIDSON, ET AL		
9	6708769	2004-03-23	HAUGEN, ET AL		
10	6668684	2003-12-30	ALLEN, ET AL		
11	6666274	2003-12-23	HUGHES		
12	6655460	2003-12-02	BAILEY, ET AL		
13	6651737	2003-11-25	BOULIGNY		
14	6585040	2003-07-01	HANTON, ET AL		
15	6536522	2003-03-25	BIRCKHEAD, ET AL		
16	6464011	2002-10-15	TUBEL		

	17	6458471	2002-10-01	LAVATO, ET AL			
	18	6433241	2002-09-03	JUHASZ, ET AL			
	19	6378633	2002-04-30	MOORE			
	20	6371203	2002-04-16	FRANK, ET AL			
	21	6237684	2001-05-29	BOULIGNY, JR., ET AL			
	22	6217258	2001-04-17	YAMAMOTO, ET AL			
	23	6012529	2000-01-11	MIKOŁAJCZK, ET AL			
	24	5878815	1999-03-09	COLLINS			
	25	5348095	1994-09-20	WORRALL, ET AL			
	26	5069297	1991-12-03	KRUEGER			
	27	4962819	1990-10-16	BAILEY, ET AL			
	28	3760894	1973-09-25	PITIFER			
	29	2978047	1961-04-04	DEVAAN			

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20050000691	2005-01-06	GIROUX, ET AL			
	2	20040262013	2004-12-30	TILTON, ET AL			
	3	20040251055	2004-12-16	SHAHIN, ET AL			
	4	20040251050	2004-12-16	SHAHIN, ET AL			
	5	20040251025	2004-12-16	GIROUX, ET AL			
	6	20040245020	2004-12-09	GIROUX, ET AL			
	7	20040244992	2004-12-09	CARTER, ET AL			
	8	20040226751	2004-11-18	MCKAY, ET AL			
	9	20040221997	2004-11-11	GIROUX, ET AL			
	10	20040216924	2004-11-04	PIETRAS, ET AL			
	11	20040216892	2004-11-04	GIROUX, ET AL			
	12	20040016575	2004-01-29	SHAHIN ET AL			

Signature

Examiner Name	Date



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7/30

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/621,971
Filing Date	July 17, 2003
First Named Inventor	Pietras
Group Art Unit	3672
Examiner Name	Tsay, F.
Attorney Docket Number	MRKS/0039.C1

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		Number-Kind Code ² (if known)			
A1	US-6742606 B2		06/01/2004	Melcalfe, et al.	
A2	US-6702040 B1		03/09/2004	Sensenig	
A3	US-6668937		12/30/2003	Murray	
A4	US-6634430		10/21/2003	Dawson et al.	
A5	US-6547017 B1		04/15/2003	Vail, III	
A6	US-6543552 B1		04/08/2003	Melcalfe, et al.	
A7	US-6536993 B2		03/25/2003	Strong, et al.	
A8	US-6457532 B1		10/01/2002	Simpson	
A9	US-6263987 B1		07/24/2001	Vail, III	
A10	US-6216533 B1		04/17/2001	Wolson, et al.	
A11	US-6189616 B1		02/20/2001	Gano, et al.	
A12	US-6186233 B1		02/13/2001	Brunet	
A13	US-6155360		12/06/2000	McLeod	
A14	US-6135208		10/24/2000	Gano, et al.	
A15	US-6098717		08/08/2000	Bailey et al.	
A16	US-6070671		06/06/2000	Cumming et al.	
A17	US-6035953		03/14/2000	Rear	
A18	US-6024169		02/15/2000	Haugen	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
B1	DE 3 213 464		10/13/1983	Reimer		
B2	DE 4 133 802		10/22/1992	Andrejewski		
B3	EP 0 235 105		09/02/1987	Kjell-Oue		
B4	EP 0 265 344		04/27/1988	Legendre		
B5	EP 0 462 618		12/27/1991	Karlsson		

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First Named Inventor

Pietras

Group Art Unit

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Examiner Name

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Attorney Docket Number

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A19	US-5887668		03/30/1999	Haugen et al.	
A20	US-5887655		03/30/1999	Haugen, et al.	
A21	US-5836409		11/17/1998	Vail,III	
A22	US-5826651		10/27/1998	Lee, et al.	
A23	US-5803666		09/08/1998	Keller	
A24	US-5787978		08/04/1998	Carter, et al.	
A25	US-5785132		07/28/1998	Richardson, et al.	
A26	US-5717334		02/10/1998	Vail,III, et al.	
A27	US-5706905		01/13/1998	Barr	
A28	US-5615747		04/01/1997	Vail,III	
A29	US-5575344		11/19/1996	Wireman	
A30	US-5560440		10/01/1996	Tibbits	
A31	US-5553679		09/10/1996	Thorp	
A32	US-5546317		10/10/1995	Hood, III, et al.	
A33	US-5526880		06/18/1996	Jordan, Jr., et al.	
A34	US-5520255		05/28/1996	Barr et al.	
A35	US-5477925		12/26/1995	Trahan, et al.	
A36	US-5458209		10/17/1995	Hayes, et al.	
A37	US-5435400		07/25/1995	Smith	
A38	US-5402856		04/04/1995	Warren, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
B6	EP 0 554 568		08/11/1993	Tibbits, et al.		
B7	EP 0 961 007		12/06/1999	Gano, et al.		
B8	EP 1 006 260		06/07/2000	Fincher, et al.		
B9	GB 2 335 217		09/15/1999	Desai		

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**SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

3

of

27

Application Number	10/621,971
Filing Date	July 17, 2003
First Named Inventor	Pietras
Group Art Unit	3672
Examiner Name	Tsay, F.
Attorney Docket Number	MRKS/0039.C1

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U.S. PATENT DOCUMENTS

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A39	US-5361859		11/08/1994	Tibbits	
A40	US-5322127		06/21/1991	McNair et al.	
A41	US-5318122		06/07/1994	Murray, et al.	
A42	US5181571		01/27/1993	Mueller	
A43	US-5109924		05/05/1992	Jurgens, et al.	
A44	US-5052483		10/01/1991	Hudson	
A45	US-4904119		02/27/1990	Legendre, et al.	
A46	US-4848469		07/18/1989	Baugh et al.	
A47	US-4836299		06/06/1989	Bodine	
A48	US-4825947		05/02/1989	Mikolajczyk	
A49	US-4699224		10/13/1987	Burton	
A50	US-4681158		07/21/1987	Pennison	
A51	US-4620600		11/04/1986	Persson	
A52	US-4604818		08/12/1986	Inoue	
A53	US4595058		06/17/1986	Nations	
A54	US-4515045		05/07/1985	Gnatchenko, et al.	
A55	US-4489793		12/25/1984	Boren	
A56	US-4483399		11/20/1984	Colgate	
A57	US-4466498		08/21/1984	Bardwell	

FOREIGN PATENT DOCUMENTS

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B10	GB 1 469 661		04/06/1977	Swobda, et al.		
B11	GB 1 277 461		06/03/1972			
B12	GB 1 448 304		09/02/1976			
B13	GB 1 582 392		01/07/1981			

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(Use as many sheets as necessary)

Sheet

4

of 27

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		Number-Kind Code ² (if known)			
A58	US-4446745		05/08/1994	Stone, et al.	
A59	US-4396076		08/02/1983	Inoue	
A60	US-4396077		09/12/1981	Radtke	
A61	US-4274778		06/23/1981	Putnam, et al.	
A62	US-4221269		09/09/1980	Hudson	
A63	US-4189185		02/19/1980	Kammerer Jr., et al.	
A64	US-4186628		02/05/1990	Bonnice	
A65	US-4100981		07/18/1978	Chaffin	
A66	US-4083405		04/11/1978	Shirley	
A67	US-3934660		01/27/1976	Nelson	
A68	US-3901331		08/26/1975	Djurovic	
A69	US-3785193		01/19/1974	Kinley et al.	
A70	US-3700048		10/24/1972	Desmoulin	
A71	US-3691624		09/19/1972	Kinley	
A72	US-3669190		06/13/1972	Sizer et al.	
A73	US-3624760		11/30/1971	Bodine	
A74	US-3575245		04/20/1971	Cordary, et al.	
A75	US-3489220		01/13/1970	Kinley	
A76	US3387893		06/11/1968	Hoever	

FOREIGN PATENT DOCUMENTS

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		Country Code ⁴ -Number ⁴ -Kind Code ⁴ (if known)				
B14	GB 2 053 088		02/04/1981	Gebhart		
B15	GB 2 201 912		09/14/1988	Dinsdale		
B16	GB 2 313 860		02/10/1997	Lee		
B17	GB 2 320 270		06/17/1998	Armell, et al.		
B18	GB 2 333 542		07/28/1999	Kirk		

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(Use as many sheets as necessary)

Sheet

5

of

27

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		Number-Kind Code ² (if known)			
A77	US-3353599		11/21/1967	Swift	
A78	US-3191680		06/29/1965	Vincent	
A79	US-3191677		06/29/1965	Kinley	
A80	US-3169592		02/26/1965	Kammerer	
A81	US-3102599		09/03/1963	Hillburn	
A82	US-3087546		04/30/1963	Wooley	
A83	US-2805043		09/03/1957	Williams	
A84	US-2765146		10/02/1956	Williams	
A85	US-2764329		09/25/1956	Hampton	
A86	US-2743087		04/24/1956	Layne, et al.	
A87	US-2663073		12/22/1953	Bieber et al.	
A88	US-2641444		06/09/1953	Moon	
A89	US-2627891		02/10/1953	Clark	
A90	US-2499630		03/07/1950	Clark	
A91	US-2324679		07/20/1943	Cox	
A92	US-2295803		09/15/1940	O'Leary	
A93	US-2216895		10/08/1940	Stokes	
A94	US-2060352		11/11/1936	Stokes	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
B19	GB 2 365 463		02/20/2002	Giancarlo		
B20	GB 2 382 361		05/28/2003	Hewson, et al.		
B21	GB 2 216 926		10/18/1989	Haloid		
B22	GB 2 348 223		09/27/2000	Cook, et al.		

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

6

of

27

Application Number

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Filing Date

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First Named Inventor

Pietras

Group Art Unit

3672

Examiner Name

Tsay, F.

Attorney Docket Number

MRKS/0039.C1

Sheet

6

of

27

Submission Date

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U.S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
	A95	US-2049450	08/04/1936	Johnson	
	A96	US-2017451	10/15/1935	Wickersham	
	A97	US-1981525	11/20/1934	Price	
	A98	US-1880218	10/04/1932	Simmons	
	A99	US-1342424	06/08/1920	Cotten	
	A100	US-1301285	04/22/1919	Leonard	
	A101	US-1185582	05/30/1916	Bignell	
	A102	US-2004/0069501	04/15/2004	Haugen et al.	
	A103	US-2003/0217865	11/27/2003	Simpson, et al.	
	A104	US-2003/0146023	08/07/2003	Pia	
	A105	US-2003/0141111	07/31/2004	Pia	
	A106	US-2003/0111267	06/19/2003	Pia	
	A107	US-2003/0056991	03/27/2003	Hahn, et al.	
	A108	US-2002/0079102	06/27/2002	Dewey, et al.	
	A109	US-2002/0040787	4/1/2002	Cook, et al.	
	A110	US-2001/0002626	6/1/2001	Frank, et al.	
	A111	US-5833002	1/10/1998	Holcombe	
	A112	US-5615747	04/01/1997	Vail, III	
	A113	US-5375668	12/27/1994	Hallundbaek	
	A114	US-5197553	03/30/1993	Letumo	
	A115	US-4962822	01/16/1990	Pascale	
	A116	US-4960173	10/02/1990	Cognevich, et al.	
	A117	US-4651837	03/24/1987	Mayfield	
	A118	US-3603411	09/07/1971	Link	
	A119	US-3552508	01/05/1971	Brown	

FOREIGN PATENT DOCUMENTS

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B23	GB 540 027	10/02/1941			
	B24	GB 7 928 86	04/12/1958			
	B25	GB 8 388 33	06/22/1960			
	B26	GB 9 977 21	07/07/1965	Garnier, et al.		

Examiner

Date Considered

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

7

of

27

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First Named Inventor

Pietras

Group Art Unit

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	B27	USSR 112631	01/10/1956	Barshai, et al.		
	B28	USSR 1304470	08/31/1984	Gelfat, et al.		
	B29	USSR 1808972	05/22/1991	Voroshbitov, et al.		
	B30	USSR 247162	05/10/1967	Barshai, et al.		
	B31	USSR 395557	12/30/1971	Barshai, et al.		
	B32	USSR 415346	03/03/1972	Barshai, et al.		
	B33	USSR 461218	04/23/1973	Barshai, et al.		
	B34	USSR 481689	06/09/1972	Barshai, et al.		
	B35	USSR 501139	12/14/1973	Barshai, et al.		
	B36	USSR 581238	02/23/1976	Barshai, et al.		
	B37	USSR 583278	08/30/1974	Barshai, et al.		
	B38	USSR 585266	07/26/1974	Barshai, et al.		
	B39	USSR 601390	10/12/1976	Barshai, et al.		
	B40	USSR 655843	03/22/1977	Barshai, et al.		
	B41	USSR 659260	04/02/1967	Barshai		
	B42	USSR 781312	03/07/1978	Barshai, et al.		
	B43	USSR 899820	06/29/1979	Alikin, et al.		
	B44	USSR 955765	02/09/1981	Gelfat, et al.		
	B45	WO 00/37766	06/29/2000	Simpson, et al.		
	B46	WO 01/83932	11/08/2001	Tulloch		
	B47	WO 90/06478	06/14/1990	Schulze-Bechinghausen		
	B48	WO 92/01139	01/23/1992	Nobilequ		
	B49	WO 92/18743	10/29/1992	Pietras		
	B50	WO 92/20899	11/26/1992	Ellis		
	B51	WO 93/24728	12/09/1993	Simpson		

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Sheet 8

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B52	WO 95/10686		04/20/1995	Lorenz, et al.		
B53	WO 96/28635		09/19/1996	Strong, et al.		
B54	WO 98/09053		03/05/1998	Murray, et al.		
B55	WO 99/23354		05/14/1999	Metcalfe		
B56	WO 99/37881		07/29/1999	Kirk, et al.		
B57	WO 99/50528		10/07/1999	Kuck, et al.		
B58	WO 99/64713		12/16/1999	Wardley		
B59	WO 99/11902		03/11/1999	Hollingsworth		
B50	FR 2053088		07/20/1970	Gottwald		
B72	WO 00/08293		02/17/2000	Van Drentham-Susman		
B73	WO 91/16520		10/31/1991	Hallundbaek		
B74						
B75						
B76						
B77						
B78						

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(Use as many sheets as necessary)

Sheet	9	of	27	Submission Date	July 30, 2004
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	C1	HAHN, ET AL., "Simultaneous Drill and Case Technology - Case Histories, Status and Options for Further Development," Society of Petroleum Engineers, IADC/SPE Drilling Conference, New Orleans, LA Feb. 23-25, 2000 pp. 1-9.	
	C2	M.B. STONE and J. SMITH, "Expandable Tubulars and Casing Drilling are Options" Drilling Contractor, January/February 2002, pp. 52.	
	C3	M. GELFGAT, "Retractable Bits Development and Application" Transactions of the ASME, Vol. 120, June (1998), pp. 124-130.	
	C4	"First Success with Casing-Drilling" Word Oil, February (1999), pp. 25.	
	C5	DEAN E. GADDY, Editor, "Russia Shares Technical Know-How with U.S." Oil & Gas Journal, March (1999), pp. 51-52 and 54-55.	
	C6	United States Patent Application 10/794,800, filed March 5, 2004 (WEAT/0360)	
	C7	United States Patent Application 10/832,804, filed April 27, 2004 (WEAT/0383.P1)	
	C8	United States Patent Application 10/795,214, filed March 5, 2004 (WEAT/0373)	
	C9	United States Patent Application 10/794,795, filed March 5, 2004 (WEAT/0357)	
	C10	United States Patent Application 10/775,048, filed February 9, 2004 (WEAT/0359)	
	C11	United States Patent Application 10/772,217, filed February 2, 2004 (WEAT/0344)	
	C12	United States Patent Application 10/788,976, filed February 27, 2004 (WEAT/0372)	

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(Use as many sheets as necessary)

Sheet

10

of

27

Application Number	10/621,971
Filing Date	July 17, 2003
First Named Inventor	Pietras
Group Art Unit	3672
Examiner Name	Tsay, F.
Attorney Docket Number	MRKS/0039.C1

Submission Date

July 30, 2004

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	C13	United States Patent Application 10/794,797, filed March 5, 2004 (WEAT/0371)	
	C14	United States Patent Application 10/767,322, filed January 29, 2004 (WEAT/0343)	
	C15	United States Patent Application 10/795,129, filed March 5, 2004 (WEAT/0366)	
	C16	United States Patent Application 10/794,790, filed March 5, 2004 (WEAT/0329)	
	C17	United States Patent Application 10/162,302, filed June 4, 2004 (WEAT/0410)	
	C18	Rotary Steerable Technology – Technology Gains Momentum, Oil & Gas Journal, 12/28/1998	
	C19	Directional Drilling, M. Mims, World Oil, May 1999, pp. 40-43	
	C20	Multilateral Classification System w/Example Applications, Alan MacKenzie & Cliff Hogg, World Oil, Jan. 1999, pp. 55-61	
	C21		
	C22		
	C23		
	C24		

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Substitute for form 1449A/PTO				Application Number	10/621,971
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	July 17, 2003
				First Named Inventor	Pietras
				Group Art Unit	3672
				Examiner Name	Tsay, F.
				Attorney Docket Number	MRKS/0039.C1
Sheet	11	of	27	Submission Date	July 30, 2004

U.S. Patent Documents							
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
A120		6,591,471	07-15-2003	Hollingsworth et al.			
A121		6,554,064	04-29-2003	Restarick et al.			
A122		6,538,576	03-25-2003	Schultz et al.			
A123		6,536,520	03-25-2003	Snider et al.			
A124		6,527,064	03-04-2003	Hallundbaek			
A125		6,527,047	03-04-2003	Pietras			
A126		6,497,280	12-24-2002	Beck et al.			
A127		6,484,818	11-26-2002	Altret et al.			
A128		6,464,004	10-15-2002	Crawford et al.			
A129		6,443,247	09-03-2002	Wardley			
A130		6,443,241	09-03-2002	Juhasz et al.			
A131		6,427,776	08-06-2002	Hoffman et al.			
A132		6,419,033	07-16-2002	Hahn et al.			
A133		6,419,014	07-16-2002	Meek et al.			
A134		6,412,574	07-02-2002	Wardley et al.			
A135		6,412,554	07-02-2002	Allen et al.			
A136		6,408,943	06-25-2002	Schultz et al.			
A137		6,405,798	06-18-2002	Barrett et al.			
A138		6,397,946	06-04-2002	Vail, III			
A139		6,378,630	04-30-2002	Ritorto et al.			
A140		6,378,627	04-30-2002	Tubel et al.			
A141		6,374,924	04-23-2002	Hanton et al.			
A142		6,371,203	04-16-2002	Frank et al.			
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 12

of 27

Application Number	10/621,971
Filing Date	July 17, 2003
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Group Art Unit	3672
Examiner Name	Tsay, F.
Attorney Docket Number	MRKS/0039.C1

Submission Date July 30, 2004

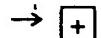
U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A143	6,359,569	03-19-2002	Beck et al.			
	A144	6,357,485	03-19-2002	Quigley et al.			
	A145	6,343,649	02-05-2002	Beck et al.			
	A146	6,325,148	12-04-2001	Trahan et al.			
	A147	6,315,051	11-13-2001	Ayling			
	A148	6,311,792	11-06-2001	Scott et al.			
	A149	6,296,066	10-02-2001	Terry et al.			
	A150	6,263,987	07-24-2001	Vail, III			
	A151	6,234,257	05-22-2001	Ciglenec et al.			
	A152	6,220,117	04-24-2001	Butcher			
	A153	6,206,112	03-27-2001	Dickinson, III et al.			
	A154	6,196,336	03-06-2001	Fincher et al.			
	A155	6,189,621	02-20-2001	Vail, III			
	A156	6,182,776	02-06-2001	Asberg			
	A157	6,172,010	01-09-2001	Argillier et al.			
	A158	6,170,573	01-09-2001	Brunet et al.			
	A159	6,158,531	12-12-2000	Vail, III			

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				First Named Inventor	Pietras	
				Group Art Unit	3672	
				Examiner Name	Tsay, F.	
				Attorney Docket Number	MRKS/0039.C1	
Sheet	13	of	27	Submission Date	July 30, 2004	

U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A160	6,119,772	09-19-2000	Pruet			
	A161	6,065,550	05-23-2000	Gardes			
	A162	6,062,326	05-16-2000	Strong et al.			
	A163	6,061,000	05-09-2000	Edwards			
	A164	6,059,053	05-09-2000	McLeod			
	A165	6,059,051	05-09-2000	Jewkes et al.			
	A166	6,026,911	02-22-2000	Angle et al.			
	A167	6,000,472	12-14-1999	Albright et al.			
	A168	5,971,079	10-26-1999	Mullins			
	A169	5,957,225	09-28-1999	Sinor			
	A170	5,950,742	09-14-1999	Caraway			
	A171	5,947,213	09-07-1999	Angle et al.			
	A172	5,931,231	08-03-1999	Mock			
	A173	5,921,332	07-13-1999	Spedale, Jr.			
	A174	5,921,285	07-13-1999	Quigley et al.			
	A175	5,913,337	06-22-1999	Williams et al.			
	A176	5,908,049	06-01-1999	Williams et al.			
	A177	5,894,897	04-20-1999	Vail, III			
	A178	5,890,549	04-06-1999	Sprehe			
	A179	5,890,537	04-06-1999	Lavaure et al.			
	A180	5,860,474	01-19-1999	Stoltz et al.			
	A181	5,845,722	12-08-1998	Makohl et al.			
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	July 17, 2003
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		Group Art Unit	3672
		Examiner Name	Tsay, F.
		Attorney Docket Number	MRKS/0039.C1
Sheet	14	of	27
		Submission Date	July 30, 2004

U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A182	5,842,530	12-01-1998	Smith et al.			
	A183	5,839,519	11-24-1998	Spedale, Jr.			
	A184	5,839,330	11-24-1998	Stokka			
	A185	5,829,520	11-03-1998	Johnson			
	A186	5,828,003	10-27-1998	Thomeer et al.			
	A187	5,785,134	07-28-1998	McLeod et al.			
	A188	5,746,276	05-05-1998	Stuart			
	A189	5,743,344	04-28-1998	McLeod et al.			
	A190	5,735,348	04-07-1998	Hawkins, III			
	A191	5,732,776	03-31-1998	Tubel et al.			
	A192	5,720,356	02-24-1998	Gardes			
	A193	5,711,382	01-27-1998	Hansen et al.			
	A194	5,667,026	09-16-1997	Lorenz et al.			
	A195	5,667,023	09-16-1997	Harrell et al.			
	A196	5,662,182	09-02-1997	McLeod et al.			
	A197	5,662,170	09-02-1997	Donovan et al.			
	A198	5,661,888	09-02-1997	Hanslik			
	A199	5,651,420	07-29-1997	Tibbitts et al.			
	A200	5,584,343	12-17-1996	Coone			
	A201	5,582,259	12-10-1996	Barr			
	A202	5,560,437	10-01-1996	Dickel et al.			
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				First Named Inventor	Pietras		
				Group Art Unit	3672		
				Examiner Name	Tsay, F.		
				Attorney Docket Number	MRKS/0039.C1		
Sheet	15	of	27	Submission Date	July 30, 2004		

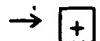
U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
A203		5,551,521	09-03-1996	Vail, III			
A204		5,547,029	08-20-1996	Rubbo et al.			
A205		5,535,838	07-16-1996	Keshavan et al.			
A206		5,535,824	07-16-1996	Hudson			
A207		5,497,840	03-12-1996	Hudson			
A208		5,472,057	12-05-1995	Winfree			
A209		5,452,923	09-26-1995	Smith			
A210		5,386,746	02-07-1995	Hauk			
A211		5,379,835	01-10-1995	Streich			
A212		5,368,113	11-29-1994	Schulze-Beckinghausen			
A213		5,355,967	10-18-1994	Mueller et al.			
A214		5,354,150	10-11-1994	Canales			
A215		5,353,872	10-11-1994	Wittirsch			
A216		5,343,950	09-06-1994	Hale et al.			
A217		5,332,048	07-26-1994	Underwood et al.			
A218		5,323,858	06-28-1994	Jones et al.			
A219		5,320,178	06-14-1994	Cornette			
A220		5,305,830	04-26-1994	Wittirsch			
A221		5,297,833	03-29-1994	Willis et al.			
A222		5,294,228	03-15-1994	Willis et al.			

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Substitute for form 1449A/PTO				Application Number	10/621,971
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	July 17, 2003
(Use as many sheets as necessary)				First Named Inventor	Pietras
Sheet	16	of	27	Group Art Unit	3672
				Examiner Name	Tsay, F.
				Attorney Docket Number	MRKS/0039.C1
				Submission Date	July 30, 2004

U.S. Patent Documents

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A223		5,291,956	03-08-1994	Mueller et al.			
A224		5,285,204	02-08-1994	Sas-Jaworsky			
A225		5,285,008	02-08-1994	Sas-Jaworsky et al.			
A226		5,282,653	02-01-1994	LaFleur et al.			
A227		5,271,472	12-21-1993	Leturno			
A228		5,255,751	10-26-1993	Stogner			
A229		5,255,741	10-26-1993	Alexander			
A230		5,234,052	08-10-1993	Coone et al.			
A231		5,197,553	03-30-1993	Leturno			
A232		5,191,939	03-09-1993	Stokley			
A233		5,186,265	02-18-1993	Henson et al.			
A234		5,172,765	10-22-1992	Sas-Jaworsky			
A235		5,168,942	12-08-1992	Wydrinski			
A236		5,160,925	11-03-1992	Dailey et al.			
A237		5,148,875	09-22-1992	Karlsson et al.			
A238		5,111,893	05-12-1992	Kvello-Aune			
A239		5,096,465	03-17-1992	Chen et al.			
A240		5,082,069	01-21-1992	Seiler et al.			
A241		5,074,366	12-24-1991	Karlsson et al.			
A242		5,060,737	10-29-1991	Mohn			

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**SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

17

of

27

Application Number	10/621,971
Filing Date	July 17, 2003
First Named Inventor	Pietras
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U.S. Patent Documents

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A243		5,060,542	10-29-1991	Hauk			
A244		5,049,020	09-17-1991	McArthur			
A245		5,027,914	07-02-1991	Wilson			
A246		5,022,472	06-11-1991	Bailey et al.			
A247		4,997,042	03-05-1991	Jordan et al.			
A248		4,962,822	10-16-1990	Bascale			
A249		4,921,386	05-01-1990	McArthur			
A250		4,880,058	11-14-1989	Lindsey et al.			
A251		4,854,386	08-08-1989	Baker et al.			
A252		4,843,945	07-04-1989	Dinsdale			
A253		4,842,081	06-27-1989	Parant			
A254		4,832,552	05-23-1989	Skelly			
A255		4,813,495	03-21-1989	Leach			
A256		4,765,416	08-23-1988	Bjerking et al.			
A257		4,762,187	08-09-1988	Haney			
A258		4,760,882	08-02-1988	Novak			
A259		4,735,270	04-05-1988	Fenyvesi			
A260		4,725,179	02-16-1988	Woolslayer et al.			
A261		4,671,358	06-09-1987	Lindsey, Jr. et al.			
A262		4,686,873	08-18-1987	Lang et al.			
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	July 17, 2003		
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				Group Art Unit	3672		
				Examiner Name	Tsay, F.		
				Attorney Docket Number	MRKS/0039.C1		
Sheet	18	of	27	Submission Date	July 30, 2004		

U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A263	4,655,286	04-07-1987	Wood			
	A264	4,652,195	03-24-1987	McArthur			
	A265	4,651,837	03-24-1987	Mayfield			
	A266	4,630,691	12-23-1986	Hooper			
	A267	4,605,077	08-12-1986	Boyadjieff			
	A268	4,604,724	08-05-1986	Shaginian et al.			
	A269	4,589,495	05-20-1986	Langer et al.			
	A270	4,583,603	04-22-1986	Dorleans et al.			
	A271	4,580,631	04-08-1986	Baugh			
	A272	4,545,443	10-08-1985	Wiredal			
	A273	4,544,041	10-01-1985	Rinaldi			
	A274	4,474,243	10-02-1984	Gaines			
	A275	4,472,002	09-18-1984	Beney et al.			
	A276	4,470,470	09-11-1984	Takano			
	A277	4,463,814	08-07-1984	Horstmeyer et al.			
	A278	4,460,053	07-17-1984	Jurgens et al.			
	A279	4,440,220	04-03-1984	McArthur			
	A280	4,413,682	11-08-1983	Callihan et al.			
	A281	4,408,669	10-11-1983	Wiredal			
	A282	4,384,627	05-24-1983	Ramirez-Jauregui			
	A283	4,336,415	06-22-1982	Walling			
	A284	4,320,915	03-23-1982	Abbott et al.			
	A285	4,315,553	02-16-1982	Stallings			
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Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 19

of 27

Application Number

10/621,971

Filing Date

July 17, 2003

First Named Inventor

Pietras

Group Art Unit

3672

Examiner Name

Tsay, F.

Attorney Docket Number

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Submission Date

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U.S. Patent Documents

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	A286	4,287,949	09-08-1981	Lindsey, Jr.			
	A287	4,281,722	08-04-1981	Tucker et al.			
	A288	4,274,777	06-23-1981	Scaggs			
	A289	4,262,693	04-21-1981	Giebel			
	A290	4,257,442	03-24-1981	Claycomb			
	A291	4,175,619	11-27-1979	Davis			
	A292	4,173,457	11-06-1979	Smith			
	A293	4,142,739	03-06-1979	Billingsley			
	A294	4,133,396	01-09-1979	Tschirky			
	A295	4,100,968	07-18-1978	Delano			
	A296	4,085,808	04-25-1978	Kling			
	A297	4,082,144	04-04-1978	Marquis			
	A298	4,077,525	03-07-1978	Callegari et al.			
	A299	4,064,939	12-27-1977	Marquis			
	A300	4,054,426	10-18-1977	White			
	A301	4,049,066	09-20-1977	Richey			
	A302	3,980,143	09-14-1976	Swartz et al.			

Examiner

Date Considered

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**SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

20

of

27

Application Number

10/621,971

Filing Date

July 17, 2003

First Named Inventor

Pietras

Group Art Unit

3672

Examiner Name

Tsay, F.

Attorney Docket Number

MRKS/0039.C1

Submission Date

July 30, 2004

U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A303	3,964,556	06-22-1976	Gearhart et al.			
	A304	3,945,444	03-23-1976	Knudson			
	A305	3,885,679	05-27-1975	Swoboda, Jr. et al.			
	A306	3,881,375	05-06-1975	Kelly			
	A307	3,870,114	03-11-1975	Pulk, deceased et al.			
	A308	3,840,128	10-08-1974	Swoboda, Jr. et al.			
	A309	3,838,613	10-01-1974	Wilms			
	A310	3,808,916	05-07-1974	Porter et al.			
	A311	3,747,675***	07-24-1973	C Brown			
	A312	3,729,057	04-24-1973	Werner			
	A313	3,692,126	09-19-1972	Rushing et al.			
	A314	3,656,564	04-18-1972	Brown			
	A315	3,603,413	09-07-1971	Grill, et al.			
	A316	3,603,412	09-07-1971	Kammerer, Jr. et al.			
	A317	3,603,411	09-07-1971	Link			
	A318	3,559,739	02-02-1971	Hutchison			
	A319	3,570,598	03-16-1971	Johnson			
	A320	3,552,510	01-05-1971	Brown			
	A321	3,552,509	01-05-1971	Brown			
	A322	3,552,508	01-05-1971	Brown			
	A323	3,550,684	12-19-1970	Cubberly, Jr.			
	A324	3,518,903	07-07-1970	Ham, et al.			
	A325	3,392,609	07-16-1968	Bartos			
	A326	3,380,528	04-30-1968	Timmons			

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 21

of 27

Application Number

10/621,971

Filing Date

July 17, 2003

First Named Inventor

Pietras

Group Art Unit

3672

Examiner Name

Tsay, F.

Attorney Docket Number

MRKS/0039.C1

Submission Date

July 30, 2004

U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A327	3,159,219	12-01-1964	Scott			
	A328	3,123,160	03-03-1964	Kammerer			
	A329	3,122,811	03-03-1964	Gilreath			
	A330	2,743,495	05-01-1956	Eklund			
	A331	2,738,011	03-13-1956	Mabry			
	A332	2,692,059	10-19-1954	Bolling, Jr.			
	A333	2,668,689	02-09-1954	Cormany			
	A334	2,650,314	08-25-1953	Hennigh, et al.			
	A335	2,621,742	12-16-1952	Brown			
	A336	2,610,690	09-16-1952	Beatty			
	A337	2,522,444	09-12-1950	Grable			
	A338	2,214,429	09-10-1940	Miller			
	A339	1,917,135	07-04-1933	Littell			
	A340	1,842,638	01-26-1932	Wigle			
	A341	2003/0070841		Merecka et al.			11/19/2002
	A342	2003/0056997		Hahn et al.			07/12/2002
	A343	2003/0034177		Chitwood et al.			08/15/2002
	A344	2002/0189863		Wardley			12/21/2000
	A345	2002/0189806		Davidson et al.			06/13/2002
	A346	2002/0162690		Hanton et al.			11/27/2001
	A347	2002/0157829		Davis et al.			04/26/2001
	A348	2002/0134555		Allen et al.			12/07/2001
	A349	2002/0074132		Juhasz et al.			03/03/2000
	A350	2002/0074127		Birckhead et al.			02/22/2001
	A351	2002/0066556		Goode et al.			08/02/2001

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Sheet 22

of 27

Application Number	10/621,971
Filing Date	July 17, 2003
First Named Inventor	Pietras
Group Art Unit	3672
Examiner Name	Tsay, F.
Attorney Docket Number	MRKS/0039.C1

Submission Date July 30, 2004

U.S. Patent Documents

*Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A352	2001/0047883	Hanton et al.			02/18/2000
	A353	2001/0042625	Appleton			07/30/2001
	A354	2001/0040054	Haugen et al.			05/04/2001
	A355	2001/0013412	Tubel			01/18/2001
	A356	2001/0000101	Lovato et al.			12/07/2000
	A357	10/618,093				
	A358	2004/0003490	Shahin et al.			03/05/2003
	A359	2003/0221519	Haugen et al.			03/05/2003
	A360	2004/0124011	Gledhill et al.			12/31/2002
	A361	2004/0124010	Galloway et al.			12/30/2002
	A362	2004/0118614	Galloway et al.			12/20/2002
	A363	2004/0112603	Galloway et al.			12/13/2002
	A364	2004/0069501	Haugen et al.			10/11/2002
J	A365	10/189,570				
	A366	5,613,587	03-25-1997	Hudson		
	A367	5,343,951	09-06-1994	Cowan et al.		
	A368	6,305,469	10-23-2001	Coenen et al.		
	A369	2004/0011534		Simonds et al.		06/16/2002
	A370	2004/0003944		Vincent et al.		04/02/2003

Examiner

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 23

of 27

Application Number	10/621,971
Filing Date	July 17, 2003
First Named Inventor	Pietras
Group Art Unit	3672
Examiner Name	Tsay, F.
Attorney Docket Number	MRKS/0039.C1

Submission Date July 30, 2004

Foreign Patent Documents

*Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation		
						YES	NO	
	B74	WO 02/086287	10-31-2002	WIPO	E21B	47/01	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B75	WO 01/94739	12-13-2001	WIPO	E21B	7/20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B76	WO 01/94738	12-13-2001	WIPO	E21B	7/20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B77	WO 01/81708	11-01-2001	WIPO	E21B	10/32	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B78	WO 01/79650	10-25-2001	WIPO	E21B	10/60	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B79	WO 01/46550	06-28-2001	WIPO	E21B	7/20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B80	WO 01/12946	02-22-2001	WIPO	E21B	19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B81	WO 00/50730	08-31-2000	WIPO	E21B	10/66	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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	B83	WO 00/37771	06-29-2000	WIPO	E21B	43/10	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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	B87	WO 00/05483	02-03-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B88	WO 98/55730	12-10-1998	WIPO	E21B	23/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B89	WO 97/08418	03-06-1997	WIPO	E21B	4/18	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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	B91	EP 1 050 661	11-08-2000	EP	E21B	7/18	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B92	EP 0 571 045	08-19-1998	EP	E21B	7/06	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B93	GB 2 216 926	10-18-1989	UK	E21B	7/20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B94	SU 1618870	01-07-1991	Russia	E21B	33/14	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B95	WO 96/28635	09-19-1996	WIPO	E21B	17/14	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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Substitute for form 1449A/PTO		Application Number	10/621,971		
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	July 17, 2003		
		First Named Inventor	Pietras		
		Group Art Unit	3672		
		Examiner Name	Tsay, F.		
		Attorney Docket Number	MRKS/0039.C1		
Sheet	24	of	27	Submission Date	July 30, 2004

OTHER ART

*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.
	C21	Tarr, et al., "Casing-while-Drilling: The Next Step Change In Well Construction," World Oil, October 1999, pp. 34-40
	C22	De Leon Mojorro, "Breaking A Paradigm: Drilling With Tubing Gas Wells," SPE Paper 40051, SPE Annual Technical Conference And Exhibition, March 3-5, 1998, pp. 465-472
	C23	De Leon Mojorro, "Drilling/Completing With Tubing Cuts Well Costs By 30%," World Oil, July 1998, pp. 145-150
	C24	Littleton, "Refined Slimhole Drilling Technology Renews Operator Interest," Petroleum Engineer International, June 1992, pp. 19-26
	C25	Anon, "Slim Holes Fat Savings," Journal of Petroleum Technology, September 1992, pp. 816-819
	C26	Anon, "Slim Holes, Slimmer Prospect," Journal of Petroleum Technology, November 1995, pp. 949-952
	C27	Vogt, et al., "Drilling Liner Technology For Depleted Reservoir," SPE Paper 36827, SPE Annual Technical Conference And Exhibition, October 22-24, pp. 127-132
	C28	Mojarro, et al., "Drilling/Completing With Tubing Cuts Well Costs By 30%," World Oil, July 1998, pp. 145-150
	C29	Sinor, et al., "Rotary Liner Drilling For Depleted Reservoirs," IADC/SPE Paper 39399, IADC/SPE Drilling Conference, March 3-6, 1998, pp. 1-13
	C30	Editor, "Innovation Starts At The Top At Tesco," The American Oil & Gas Reporter, April, 1998, p. 65
	C31	Tessari, et al., "Casing Drilling - A Revolutionary Approach To Reducing Well Costs," SPE/IADC Paper 52789, SPE/IADC Drilling Conference, March 9-11, 1999, pp. 221-229
	C32	Silverman, "Novel Drilling Method - Casing Drilling Process Eliminates Tripping String," Petroleum Engineer International, March 1999, p. 15
	C33	Silverman, "Drilling Technology - Retractable Bit Eliminates Drill String Trips," Petroleum Engineer International, April 1999, p. 15
Examiner		Date Considered
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.		



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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 25

of 27

Application Number	10/621,971
Filing Date	July 17, 2003
First Named Inventor	Pietras
Group Art Unit	3672
Examiner Name	Tsay, F.
Attorney Docket Number	MRKS/0039.C1

Submission Date: July 30, 2004

OTHER ART

*Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.
C34	Laurent, et al., "A New Generation Drilling Rig: Hydraulically Powered And Computer Controlled," CADE/CAODC Paper 99-120, CADE/CAODC Spring Drilling Conference, April 7 & 8, 1999, 14 pages
C35	Madell, et al., "Casing Drilling An Innovative Approach To Reducing Drilling Costs," CADE/CAODC Paper 99-121, CADE/CAODC Spring Drilling Conference, April 7 & 8, 1999, pp. 1-12
C36	Tessari, et al., "Focus: Drilling With Casing Promises Major Benefits," Oil & Gas Journal, May 17, 1999, pp. 58-62
C37	Laurent, et al., "Hydraulic Rig Supports Casing Drilling," World Oil, September 1999, pp. 61-68
C38	Perdue, et al., "Casing Technology Improves," Hart's E & P, November 1999, pp. 135-136
C39	Warren, et al., "Casing Drilling Application Design Considerations," IADC/SPE Paper 59179, IADC/SPE Drilling Conference, February 23-25, 2000 pp 1-11
C40	Warren, et al., "Drilling Technology: Part I - Casing Drilling With Directional Steering In The U.S. Gulf Of Mexico," Offshore, January 2001, pp. 50-52
C41	Warren, et al., "Drilling Technology: Part II - Casing Drilling With Directional Steering In The Gulf Of Mexico," Offshore, February 2001, pp. 40-42
C42	Shepard, et al., "Casing Drilling: An Emerging Technology," IADC/SPE Paper 67731, SPE/IADC Drilling Conference, February 27-March 1, 2001, pp. 1-13
C43	Editor, "Tesco Finishes Field Trial Program," Drilling Contractor, March/April 2001, p. 53
C44	Warren, et al., "Casing Drilling Technology Moves To More Challenging Application," AADE Paper 01-NC-HO-32, AADE National Drilling Conference, March 27-29, 2001, pp. 1-10
C45	Shepard, et al., "Casing Drilling: An Emerging Technology," SPE Drilling & Completion, March 2002, pp. 4-14
C46	Shepard, et al., "Casing Drilling Successfully Applied In Southern Wyoming," World Oil, June 2002, pp. 33-41
C47	Forest, et al., "Subsea Equipment For Deep Water Drilling Using Dual Gradient Mud System," SPE/IADC Drilling Conference, Amsterdam, The Netherlands, February 27, 2001-March 01, 2001, 8 pages
C48	"World's First Drilling With Casing Operation From A Floating Drilling Unit, September 2003, 1 page
C49	Filippov, et al., "Expandable Tubular Solutions," SPE paper 56500, SPE Annual Technical Conference And Exhibition, October 3-6, 1999, pp. 1-16

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Date Considered

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 26

of 27

Application Number	10/621,971
Filing Date	July 17, 2003
First Named Inventor	Pietras
Group Art Unit	3672
Examiner Name	Tsay, F.
Attorney Docket Number	MRKS/0039.C1

Submission Date

July 30, 2004

OTHER ART

*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.
	C50	Coronado, et al., "Development Of A One-Trip ECP Cement Inflation And Stage Cementing System For Open Hole Completions," IADC/SPE Paper 39345, IADC/SPE Drilling Conference, March 3-6, 1998, pp. 473-481
	C51	Coronado, et al., "A One-Trip External-Casing-Packer Cement-Inflation And Stage-Cementing System," Journal Of Petroleum Technology, August 1998, pp. 76-77
	C52	Quigley, "Coiled Tubing And Its Applications," SPE Short Course, Houston, Texas, October 3, 1999, 9 pages
	C53	Bayfiled, et al., "Burst And Collapse Of A Sealed Multilateral Junction: Numerical Simulations," SPE/IADC Paper 52873, SPE/IADC Drilling Conference, March 9-11, 1999, 8 pages
	C54	Marker, et al. "Anaconda: Joint Development Project Leads To Digitally Controlled Composite Coiled Tubing Drilling System," SPE paper 60750, SPE/COTA Coiled Tubing Roundtable, April 5-6, 2000, pp 1-9
	C55	Cales, et al., "Subsidence Remediation - Extending Well Life Through The Use Of Solid Expandable Casing Systems, AADE Paper 01-NC-HO-24, American Association Of Drilling Engineers, March 2001 Conference, pp. 1-16
	C56	Coats, et al., "The Hybrid Drilling Unit: An Overview Of an Integrated Composite Coiled Tubing And Hydraulic Workover Drilling System," SPE Paper 74349, SPE International Petroleum Conference And Exhibition, February 10-12, 2002, pp. 1-7
	C57	Sander, et al., "Project Management And Technology Provide Enhanced Performance For Shallow Horizontal Wells," IADC/SPE Paper 74466, IADC/SPE Drilling Conference, February 26-28, 2002, pp. 1-9
	C58	Coats, et al., "The Hybrid Drilling System: Incorporating Composite Coiled Tubing And Hydraulic Workover Technologies Into One Integrated Drilling System," IADC/SPE Paper 74538, IADC/SPE Drilling Conference, February 26-28, 2002, pp 1-7
	C59	Galloway, "Rotary Drilling With Casing - A Field Proven Method Of Reducing Wellbore Construction Cost," Paper WOCD-0306092, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-7

Examiner

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(Use as many sheets as necessary)

Sheet 27 of 27 Submission Date July 30, 2004

OTHER ART

*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.
	C60	Fontenot, et al., "New Rig Design Enhances Casing Drilling Operations In Lobo Trend," paper WOCD-0306-04, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-13
	C61	McKay, et al., "New Developments In The Technology Of Drilling With Casing: Utilizing A Displaceable DrillShoe Tool," Paper WOCD-0306-05, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-11
	C62	Sutriono – Santos, et al., "Drilling With Casing Advances To Floating Drilling Unit With Surface BOP Employed," Paper WOCD-0307-01, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-7
	C63	Vincent, et al., "Liner And Casing Drilling – Case Histories And Technology," Paper WOCD-0307-02, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-20
	C64	Maute, "Electrical Logging: State-of-the Art," The Log Analyst, May-June 1992, pp. 206-27
	C65	Tessari, et al., "Retrievable Tools Provide Flexibility for Casing Drilling," Paper No. WOCD-0306-01, World Oil Casing Drilling Technical Conference, 2003, pp. 1-11
	C66	Evans, et al., "Development And Testing Of An Economical Casing Connection For Use In Drilling Operations," paper WOCD-0306-03, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-10
Examiner		Date Considered

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Sheet 1 of 1

<i>Complete if Known</i>	
<i>Application Number</i>	10/621,971
<i>Filing Date</i>	July 17, 2003
<i>First Named Inventor</i>	Bernd-Georg Pietras
<i>Art Unit</i>	3672
<i>Examiner Name</i>	Frank Tsay
<i>Attorney Docket Number</i>	MRKS/0039.C1

U.S. PATENT DOCUMENTS

~~FOREIGN PATENT DOCUMENTS~~

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ Kind Code ⁵ (if known)				
		EP 0479583	04-08-1992	Gonzalez, et al.		
		EP 1148206	10-24-2001	Scott, et al.		
		GB 2381809	05-14-2003	Ohmer		
		GB 2347445	09-06-2000	Metcalfe, et al.		
		WO 99/24689	05-20-1999	Collins		
		WO 99/04135	01-28-1999	Collins		
		WO 97/05360	02-13-1997	Collins		
		WO 03/074836	09-12-2003	Philip		

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	APPATUS AND METHOD FOR FACILITATING THE CONNECTION OF TUBULARS USING A TOP DRIVE						
Application Number :	10/621971						
Confirmation Number:	2036						
First Named Applicant:	BERND PIETRAS						
Attorney Docket Number:	MRKS/0039.C1						
Art Unit:	3672						
Examiner:	FRANK TSAY						
Search string:	(6857487 or 6857486 or 6854533 or 6848517 or 6840322 or 6752211 or 6745834 or 6725924 or 6708769 or 6668684 or 6666274 or 6655460 or 6651737 or 6585040 or 6536522 or 6464011 or 6458471 or 6433241 or 6378633 or 6371203 or 6237684 or 6217258 or 6012529 or 5878815 or 5348095 or 5069297 or 4962819 or 3760894 or 2978047 or 20050000691 or 20040262013 or 20040251055 or 20040251050 or 20040251025 or 20040245020 or 20040244992 or 20040226751 or 20040221997 or 20040216924 or 20040216892 or 20040016575).pn						
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
1	6857487	2005-02-22	GALLOWAY				
2	6857486	2005-02-22	CHITWOOD, ET AL				
3	6854533	2005-02-15	GALLOWAY				
4	6848517	2005-02-01	WARDLEY				
5	6840322	2005-01-11	HAYNES				
6	6752211	2004-06-22	DEWEY, ET AL				
7	6745834	2004-06-08	DAVIS, ET AL				
8	6725924	2004-04-27	DAVIDSON, ET AL				
9	6708769	2004-03-23	HAUGEN, ET AL				
10	6668684	2003-12-30	ALLEN, ET AL				
11	6666274	2003-12-23	HUGHES				
12	6655460	2003-12-02	BAILEY, ET AL				
13	6651737	2003-11-25	BOULIGNY				
14	6585040	2003-07-01	HANTON, ET AL				
15	6536522	2003-03-25	BIRCKHEAD, ET AL				
16	6464011	2002-10-15	TUBEL				

	17	6458471	2002-10-01	LAVATO, ET AL				
	18	6433241	2002-09-03	JUHASZ, ET AL				
	19	6378633	2002-04-30	MOORE				
	20	6371203	2002-04-16	FRANK, ET AL				
	21	6237684	2001-05-29	BOULIGNY, JR., ET AL				
	22	6217258	2001-04-17	YAMAMOTO, ET AL				
	23	6012529	2000-01-11	MIKO LAJCZK, ET AL				
	24	5878815	1999-03-09	COLLINS				
	25	5348095	1994-09-20	WORRALL, ET AL				
	26	5069297	1991-12-03	KRUEGER				
	27	4962819	1990-10-16	BAILEY, ET AL				
	28	3760894	1973-09-25	PILFER				
	29	2978047	1961-04-04	DEVAAN				

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20050000691	2005-01-06	GIROUX, ET AL			
	2	20040262013	2004-12-30	TILTON, ET AL			
	3	20040251055	2004-12-16	SHAHIN, ET AL			
	4	20040251050	2004-12-16	SHAHIN, ET AL			
	5	20040251025	2004-12-16	GIROUX, ET AL			
	6	20040245020	2004-12-09	GIROUX, ET AL			
	7	20040244992	2004-12-09	CARTER, ET AL			
	8	20040226751	2004-11-18	MCKAY, ET AL			
	9	20040221997	2004-11-11	GIROUX, ET AL			
	10	20040216924	2004-11-04	PIETRAS, ET AL			
	11	20040216892	2004-11-04	GIROUX, ET AL			
	12	20040016575	2004-01-29	SHAHIN ET AL			

Signature

Examiner Name	Date